

	<p align="center">Military Sealift Command, Government Operations Safety Management System</p>	
<p>Endorsed by ISM Steering Committee</p>	<p>Approved by: _____ Date: 6 June 2007</p> <p align="center">  J.R. Taylor, Director </p>	<p>7.4-007-AO Revision 0.9 Page 1 of 2</p>

Underway Replenishment (UNREP) (T-AO)

1. PURPOSE:

To provide a framework for planning UNREP activities.

2. APPLICABILITY: Current release date: **January 2021**

This Procedure and the associated Checklists applies to the T-AO class of ships.

3. BACKGROUND & PROCEDURES:

- 3.1. The governing document regarding UNREP procedures is Navy Tactics, Techniques and Procedures (NTTP) 4-01.4 (reference 5.1). It is not the intent of this procedure to replace NTTP 4-01.4. This Procedure provides for ship class specific checklists to prepare for and perform UNREP activities.
- 3.2. The governing document regarding the UNREP PyroDyne™ Wire Rope Cutter procedures is NAVSEA Technical Manual 0920-LP-106-3010 (reference 5.2). Review and use of SMS Procedure 7.4-011-AKE /AKE(RM) /AOE /AO "Underway Replenishment (UNREP) Wire Rope Cutters" (reference 5.3) is required.

CAUTION

Due to the configuration, the DDG 1000 can connect the phone and distance line, however the delivery ship will have to tend the line. Similarly, all shot lines must be fired from DDG 1000.

- 3.3. Work / Rest: The work / rest requirements of SMS Procedure 2.1-002-ALL "Rest Periods for Watch-Keeping Personnel" (reference 5.4) shall be complied with at all times during UNREP evolutions. Personnel involved in UNREP evolutions shall be considered watchstanders and the work / rest requirements shall apply.

- 3.4. Ship-to-Ship (STS) Petroleum Product Transfer – When a STS petroleum transfer operation is conducted, the use of SMS Procedure 7.4-012-AO, Ship to Ship Petroleum Product Transfer shall be followed (reference 5.5).
- 3.5. Checklist 7.4-007-01-AO, Pilot House Checklist for UNREP & Close-In Maneuvers shall be used as a framework for guiding Bridge operations related to UNREP. Checklist 7.4-007-02-AO, Engine Department Checklist for UNREP & Close Maneuvers shall be used as a framework for Engine Department operations related to UNREP. These checklists may be maintained electronically.
- 3.6. The following checklists shall be used as guidelines for deck operations related to UNREP:
- Checklist 7.4-007-03-AO, Cargo Mate UNREP
- Checklist 7.4-007-04-AO, Fueling Station UNREP
- Checklist 7.4-007-05-AO, Cargo Station UNREP
- These checklists may be maintained electronically.

4. RECORDS & REPORTS:

- 4.1. Ship's Log Entries
- 4.2. SMS Checklist 7.4-007-01-AO, Pilot House Checklist for UNREP
- 4.3. SMS Checklist 7.4-007-02-AO, Engine Department Checklist for UNREP & Close Maneuvers
- 4.4. SMS Checklist 7.4-007-03-AO, Cargo Mate UNREP
- 4.5. SMS Checklist 7.4-007-04-AO, Fueling Station UNREP
- 4.6. SMS Checklist 7.4-007-05-AO, Cargo Station UNREP

5. REFERENCES:

- 5.1. NTTP 4-01.4, Underway Replenishment
- 5.2. NAVSEA 0920-LP-106-3010, Technical Manual for Underway Replenishment (UNREP) Wire Rope Cutter

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- 5.3. SMS Procedure 7.4-011-AKE /AKE(RM) /AOE /AO, Underway Replenishment (UNREP) Wire Rope Cutters
- 5.4. SMS Procedure 2.1-002-ALL, Rest Periods for Watchkeeping Personnel
- 5.5. SMS Procedure 7.4-012-AO, Ship to Ship Petroleum Product Transfer
- 5.6. PAC Fleet UNREP Guide (COMNAVSURPACINST 3180.2)

6. DEFINITIONS:

- 6.1. Ship-to-Ship (STS) Petroleum Product Transfer: STS petroleum product transfers are at-sea transfers of fuel and liquid cargo between vessels that are separate and distinct from normal Connected Replenishment / Underway Replenishment (CONREP / UNREP) processes and involves three vessels; the Ship-to-be-Lightered (STBL) Vessel, the Service Vessel and the Lightering Support Vessel (LSV).

7. REVISION HISTORY:

Original	06 Dec 2006
Rev 0.1	07 Dec 2007 – Section 2, Applicability-Changed to reflect current release date.
Rev 0.2	26 May 2009 – Section 3.1 Updated publication title to reflect Navy Tactics, Techniques and Procedures (NTTP) 10-01.4.
Rev 0.3	01 Dec 2010 – References: added PAC Fleet UNREP Guide.
Rev 0.4	03 Apr 2013 – MSC ships do not require a separate STS Operations Plan.
Rev 0.5	20 Feb 2014 – Section 3.3, added Checklist 7.4-007-02. Section 3.4, Added Checklist 7.4-007-03, Checklist 7.4-007-04, Checklist 7.4-007-05. Section 4, Added records 4.2-4.6. Section 5, deleted references 5.2-5.4.
Rev 0.6	31 Mar 2016 – Added caution concerning DDG 1000 configuration impacts on UNREP procedures.
Rev 0.7	05 Dec 2019 – Procedure title modified to make consistent throughout fleet.
Rev 0.8	09 Jan 2020 – Added Paragraph 3.2 and Reference 5.3 regarding Wire Rope Cutters.
Rev 0.9	02 Jun 2020 – Added specific applicability statement to paragraph 2. Added reference to work / rest SMS Procedure in new paragraph 3.3. Added reference to new Ship-to-Ship Transfer SMS Procedure in paragraph 3.4. Updated references in section 5. Added STS definition in section 6. Updated formatting. Added new MSC logo to document header.